EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S1 | 52 | (("20040141625") or ("5663534") or ("5218643") or ("5287413") or ("5702785") or ("6226927") or ("6873837") or ("20050153680") or ("6324294") or ("6377695") or ("5679934") or ("6062339") or ("4991433") or ("5218175") or ("20050111673") or ("4360875") or ("4573286") or ("4951727") or ("5369976") or ("5526675") or ("5765511") or ("5798688") or ("6040761") or ("6060700") or ("4258945") or ("4287997") or ("4324434") or ("4342355") or ("4357046") or ("4358238") or ("4359714") or ("4417764") or ("4433759") or ("4433505") or ("4460035") or ("4463296") or ("4519443") or ("4541258") or ("4561211") or ("4589463") or ("4599031") or ("4621435") or ("4630858") or ("4756571") or ("4768088") or ("4768277") or ("4793284") or ("4840773") or ("4850142") or ("4852798")).PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/04/05 15:21 |

| S2 | 1 | ("5663534").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/03/30 12:27 |
| S3 | 5 | "5663534" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 12:27 |
| S4 | 109154 | (CAR OR vehicle) same door $4speaker$1 same resonant same (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:14 |
| S5 | 1 | (CAR OR vehicle) same door same $4speaker$1 same resonant same (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/07/21 12:51 |
| S6 | 1 | (CAR OR vehicle) and door and $4speaker$1 and resonant and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/07/21 12:51 |
| S7 | 47 | (CAR OR vehicle) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:46 |
| S8 | 11 | S7 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:24 |
| S9 | 2 | (("5193118") or ("5218175") or ("5218175")).PN. | USPAT; USOCR | OR | OFF | 2007/03/30 14:46 |
| S10 | 2 | (("5193118") or ("5218175") or ("5218175")).PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/03/30 14:47 |
| S11 | 3 | (("5193118") or ("5218175") or ("5170435")).PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/03/30 14:47 |
| S12 | 9 | ("4493389" | "4924962").PN. OR ("5218175").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/30 15:22 |
| S13 | 13 | ("4085289" | "4144416" | "4549631" | "4567959" | "4574391" | "4648117").PN. OR ("5193118").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/30 15:41 |
| S14 | 20 | ("2301744" | "4628528" | "4924962").PN. OR ("5170435").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/30 15:44 |
| S15 | 3 | "6578658" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 16:30 |

| S16 | 18 | ("4277653" \| "4502149" \| "4550796" \| "4728143" \| "4905860" \| "5008944" \| "5218175" \| "5591946" \| "5663534" \| "5736689" \| "5750942" \| "5754664" \| "5820191" \| "5920039" \| "5967585" \| "5979590"). PN. OR ("6578658"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/30 17:10 |
|-----|-----|-----|-----|-----|-----|-----|
| S17 | 3 | (("4728143") or ("5218175") or ("5663534")).PN. | USPAT; USOCR | OR | OFF | 2007/03/30 17:11 |
| S18 | 1 | ((381/86).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:14 |
| S19 | 4 | (("381"/$).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:18 |
| S20 | 3 | (("181"/$).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:20 |
| S21 | 2 | (("181"/141).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:20 |
| S22 | 0 | (("181"/148).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:20 |
| S23 | 1 | (("181"/150).ccls.) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:23 |
| S24 | 5 | (("181"/150).ccls.) and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:23 |
| S25 | 14 | (CAR OR vehicle) and (("381"/$).ccls.) and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:27 |
| S26 | 10 | S25 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/03 11:36 |
| S27 | 4 | (CAR OR vehicle) and (("181"/$).ccls.) and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/03/30 17:27 |
| S28 | 4 | (("2,917,127") or ("4,131,179") or ("4,905,860")).PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/04/03 11:34 |

| S29 | 5 | ( vehicle or car or automobil) same resonant same cavity same (passenger adj compartment) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/04/03 11:39 |
|-----|---|---|---|---|---|---|
| S30 | 2 | S28 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/03 11:39 |
| S31 | 5 | ( vehicle or car or automobile) same resonant same cavity same (passenger adj compartment) | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/04/03 11:39 |
| S32 | 4 | S31 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/03 11:39 |
| S33 | 3 | ((KURT) near2 (LEIPOLD)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/05 11:20 |
| S34 | 1 | ("5193118").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/04/05 15:12 |
| S35 | 0 | (two adj open$3) same (seal$3 adj lip) same compres$3 same door same seal$1 same (two adj cavit$3) same outside | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:26 |
| S36 | 0 | (two adj open$3) same (seal$3 adj lip) same compres$3 same door same seal$1 same (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:26 |
| S37 | 0 | (two adj open$3) same (seal$3 adj lip) same door same seal$1 same (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:27 |
| S38 | 0 | (two adj open$3) and (seal$3 adj lip) and door and seal$1 and (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:27 |
| S39 | 1 | (two adj opening) and (seal$3 adj lip) and door and seal$1 and (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:28 |
| S40 | 1 | (two adj opening) and (seal$3) and door and seal $1 and (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:28 |
| S41 | 141 | (opening) and (seal$3) and door and seal$1 and (two adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 17:04 |
| S42 | 99 | S41 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:47 |

| S43 | 279 | (CAR OR vehicle) and door and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:46 |
| S44 | 160 | S43 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:48 |
| S45 | 0 | (("381"/$).ccls.) and S43 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:47 |
| S46 | 2 | (("181"/$).ccls.) and S43 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/05 15:47 |
| S47 | 2 | (car or vehicle or automobuile) and door and (flexible adj (tube or pipe or hose)) and (second adj cavit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/07 12:43 |
| S48 | 49 | (car or vehicle or automobuile) and door and (flexible adj (tube or pipe or hose)) and (second adj (cavit$3 or chamber)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/07 12:44 |
| S49 | 32 | S48 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 14:46 |
| S50 | 19585 | (CAR OR vehicle or automobuile) and bellows | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 14:45 |
| S51 | 5288 | door same $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 14:45 |
| S52 | 28 | S50 and S51 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 14:46 |
| S53 | 1 | ( third adj (cavity or chamber)) same (outside adj door) same ( coupling adj device$1) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 16:55 |
| S54 | 1 | ( third adj (cavity or chamber)) and (outside adj door) and ( coupling adj device$1) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/09 16:55 |
| S55 | 1907 | (CAR OR vehicle) and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:16 |
| S56 | 989 | ((381/86 or 381/389). ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:16 |
| S57 | 2023 | ((381/335-336 or 381/386 or 381/345).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:17 |

| S58 | 2177 | (CAR OR vehicle or automobile) and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:28 |
| S59 | 330 | ((381/304-305 or 381/302 or 381/332).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:18 |
| S60 | 1201 | ((381/150 or 381/152 or 381/162).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:19 |
| S61 | 1012 | ((381/165 or 381/349-351 or 381/162).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:20 |
| S62 | 1113 | ((181/148 or 181/141 or 381/150).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:20 |
| S63 | 852 | ((296/146.9 or 296/146.5).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:21 |
| S64 | 757 | ((49/502).ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:21 |
| S65 | 0 | S56 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:29 |
| S66 | 4 | S57 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:25 |
| S67 | 0 | S59 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:25 |
| S68 | 0 | S60 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:25 |
| S69 | 1 | S61 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:26 |
| S70 | 3 | S62 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:27 |
| S71 | 0 | S63 and S58 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:27 |
| S72 | 2823 | (CAR OR vehicle or automobile) and (third adj (chamber$1 or cavit$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:28 |
| S73 | 0 | S56 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:29 |
| S74 | 2 | S57 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:29 |

| S75 | 0 | S59 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:30 |
|-----|---|---|---|---|---|---|
| S76 | 0 | S60 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:30 |
| S77 | 0 | S61 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 12:04 |
| S78 | 0 | S62 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:30 |
| S79 | 0 | S63 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:30 |
| S80 | 1694 | S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:31 |
| S81 | 145 | door and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:31 |
| S82 | 16 | door and $4speaker$1 and S72 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 09:35 |
| S83 | 97 | door and $4speaker$1 and bellows and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 12:01 |
| S84 | 181 | ( passenger adj compartment) same (divid $4 or saperat$4) same (cavit$4 or chamber$1) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 12:03 |
| S85 | 144570 | (CAR OR vehicle or automobuile) and door | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 12:04 |
| S86 | 14 | S84 and S85 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/04/10 12:04 |
| S87 | 1 | ("5,606,623").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/20 17:07 |
| S88 | 12 | ("4099026" | "4100372" | "4673056" | "5094316"). PN. OR ("5606623"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/20 17:08 |
| S89 | 2 | door with $4speaker$1 with (spac$3 cavit$3) with first with second with frame | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/07/21 12:55 |
| S90 | 53 | $4speaker$1 with (spac$3 cavit$3) with first with second same (car or vehicle) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/07/21 12:56 |

| S91 | 29 | S90 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/07/21 12:57 |
|---|---|---|---|---|---|---|
| S92 | 1 | (CAR OR vehicle) same door same $4speaker$1 same resonant same (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:25 |
| S93 | 2275 | (CAR$1 OR vehicle$1) same door same $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:25 |
| S94 | 537 | resonant same (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:26 |
| S95 | 0 | S93 and S94 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:28 |
| S96 | 0 | ((381/86).ccls.) and S94 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:29 |
| S97 | 60 | (car$1 or vehicle$1) and door and $4speaker$1 and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:30 |
| S98 | 13 | S97 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:30 |
| S99 | 13 | S97 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/19 11:32 |
| S100 | 1971499 | (car or vehicle or automobuile) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:33 |
| S101 | 1261 | resonant and (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:34 |
| S102 | 39 | S100 and S101 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/19 11:34 |
| S103 | 1 | (CAR OR vehicle) same door same $4speaker$1 same (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:41 |
| S104 | 1974 | (CAR OR vehicle) same door same $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:41 |
| S105 | 14354 | (second adj cavity) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 11:41 |

| S106 | 8 | S104 and S105 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/19 11:42 |
| S107 | 1380399 | spac$4 same first same second $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:07 |
| S108 | 94399 | S100 same S107 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:08 |
| S109 | 436 | ((381/86).ccls.) and S108 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:08 |
| S110 | 2194 | space same first same second same $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:09 |
| S111 | 4079 | spac$4 same first same second same $4speaker$1 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:10 |
| S112 | 316 | S100 same S111 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/19 12:11 |
| S113 | 29 | S112 and door and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/19 12:11 |
| S114 | 6 | resonant same (second adj cavity) same frame | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 14:43 |
| S115 | 4805 | resonant same frame | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 15:04 |
| S116 | 302 | resonant same frame same hollow | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 15:04 |
| S117 | 0 | ((381/86).ccls.) and S116 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 15:05 |
| S118 | 37 | ((381/86).ccls.) and hollow and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 15:05 |
| S119 | 32 | ((381/86).ccls.) and resonant and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 15:19 |
| S120 | 190 | ((381/86).ccls.) and door $1 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/21 16:12 |

5/22/2008 10:35:33 AM

C:\ Documents and Settings\ llao1\ My Documents\ EAST\ Workspaces\ 10673914.wsp